

11-21-03

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

) Group Art Unit:

ROCKWOOD et al.

) Examiner:

Serial No.: 10/689,693

INFORMATION DISCLOSURE
STATEMENT

Filed: October 20, 2003

Atty. File No.: 3404-2-1

Express Mail Label: EL975238884US

For: "COMPUTATIONAL GEOMETRY
USING CONTROL GEOMETRY
HAVING AT LEAST TWO
DIMENSIONS"

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached Form PTO-1449 are being called to the attention of the Examiner.

Copies of the cited references:

- Are enclosed herewith.
 Are not enclosed in accordance with the waiver dated July 11, 2003, whereby patent applications filed after June 30, 2003 need not submit copies of U.S. patents, U.S. patent application publications and international applications that have entered the national stage under 35 U.S.C. § 371 after June 30, 2003.

Are not enclosed, in accordance with 37 C.F.R. 1.98(d), because the references were submitted to the U.S. Patent and Trademark Office in prior application Serial No. 09/360,029 filed July 23, 1999, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

To the best of applicants' belief, the pertinence of the foreign-language references are believed to be summarized in the attached English abstracts and in the figures, although applicants do not necessarily vouch for the accuracy of the translation.

Examiner's attention is drawn to the following co-pending applications, copies of which have been or are being submitted:

Serial No. 09/360,029 filed July 23, 1999

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should

an inference be drawn as to the pertinence of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

FEES

<input checked="" type="checkbox"/>	<p>37 CFR 1.97(b): No fee is believed due in connection with this submission, because the information disclosure statement submitted herewith satisfies one of the following conditions ("X" indicates satisfaction):</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or<input type="checkbox"/> Within three months of the date of entry into the national stage of an international application as set forth in 37 CFR 1.491 or<input type="checkbox"/> Before the mailing date of a first Office Action on the merits, or<input type="checkbox"/> Before the mailing of a first Office action after the filing of a Request for Continued Examination (RCE) under 37 CFR 1.114. <p>Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p>
<input type="checkbox"/>	<p>37 CFR 1.97(c): The information disclosure statement transmitted herewith is being filed after all the above conditions (37 CFR 1.97(b)), but before the mailing date of one of the following conditions:</p> <ul style="list-style-type: none">(1) a final action under 37 C.F.R. 1.113 or(2) a notice of allowance under 37 C.F.R. 1.311, or(3) an action that otherwise closes prosecution in the application. <p>This Information Disclosure Statement is accompanied by:</p> <ul style="list-style-type: none"><input type="checkbox"/> A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970. <p>OR</p> <ul style="list-style-type: none"><input type="checkbox"/> A check in the amount of \$180.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970.
<input type="checkbox"/>	<p>37 CFR 1.97(d): This Information Disclosure Statement is being submitted after the period specified in 37 CFR 1.97(c).</p> <ul style="list-style-type: none"><input type="checkbox"/> This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e) <p>AND</p> <ul style="list-style-type: none"><input type="checkbox"/> Applicants hereby requests consideration of the reference(s) disclosed herein. Enclosed is the fee in the amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970. <p>Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.</p>

Certification (37 C.F.R. 1.97(e))
(Applicable only if checked)

The undersigned certifies that:

Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(1).

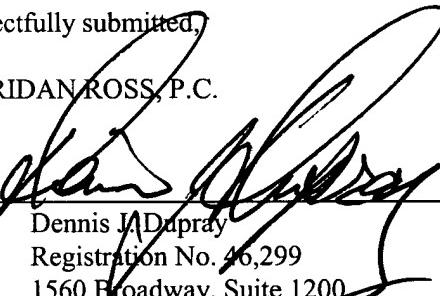
A copy of the communication from the foreign patent office is enclosed.

OR

No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,

SHERIDAN ROSS, P.C.

By: 

Dennis J. Dupray
Registration No. 46,299
1560 Broadway, Suite 1200
Denver, CO 80202-5141
TELEPHONE: 303-863-2975
FAX: 303-863-0223

Date:

Nov. 19, 2003
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O I P E NOV 19 2003 U.S. PATENT & TRADEMARK OFFICE	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 3404-2-1	SERIAL NO. 10/689,693
	INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			APPLICANT ROCKWOOD et al.
	FILING DATE October 20, 2003		GROUP ART	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	1	6,369,815	4/9/2002	Celniker et al.	345	420	
	2	6,256,038	7/3/2001	Krishnamurthy	345	419	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION
							YES NO
	3	EP 0 303 706	Feb. 22, 1989	Europe	G05B	19/403	

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

4	"A Technology Marketing White Paper: Dassault Acquires Spatial Technology: The think3 Position"; <i>think3</i> ; 7 pgs.
5	"A Technology Marketing White Paper: Mass 3-D"; <i>think3</i> ; 23 pgs.
6	Adobe Premiere 3.0 User's Guide; 3 pgs.
7	Christensen; "Product Data Representaion and Exchange: Parametriuzation and Constraints for Explicit Geometric Product Models"; <i>NIST</i> ; June 1, 1998; 29 pgs.
8	Clarke; "Polished Surfaces"; <i>C3mag.com</i> ; (date unknown); 5 pgs.
9	Coutts et al.; "Rendering with Streamlines"; 1997; (Annote)
10	Driskill; "Towards the Design, Analysysis, and Illustration of Assemblies"; <i>University of Utah, Dept. of Science</i> ; 1996; (Abstract)
11	Firebaugh; "Chapter 5: Two-Dimensional Graphics - Representation"; <i>Wm. C. Brown Communications, Inc.</i> ; (date unknown); 39 pgs.
12	Fuller; "Using AutoCAD"; Release 10 with 3-D, third edition; 1989
13	"Global Shape Modeling"; <i>think3</i> ; October 2000; 2 pgs.
14	Glossary; <i>Alias/Wavefront, a Silcocon Graphics Company</i> ; 1997; 22 pgs.
15	Igarashi et al.; "Teddy: A Sketching Interface for 3D Freeform Design"; <i>Proceedings of SIGGRAPH</i> ; August 1999; (Annote)
16	Letcher et al.; "Parametric Design and Gridding Through Relational Geometry"; <i>AeroHydro, Inc.</i> ; 15 pgs.

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 3404-2-1	SERIAL NO. 10/689,693
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT ROCKWOOD et al.	
		FILING DATE October 20, 2003	GROUP ART

17	Markosian et al.; "Skin: A Constructive Approach to Modeling Free-form Shapes"; <i>Proceedings of SIGGRAPH</i> ; August 1999; (Annote)
18	"Mass 3-D Technology - Unsurpassed"; <i>think3</i> ; 2000; 2 pgs.
19	"Product Demo: SurfaceWorks Slide Show"; <i>AeroHydro, Inc.</i> ; (date unknown); 1 pg.
20	Rössl et al.; "Line-Art Rendering of 3D-Models"; <i>Max-Planck-Institute for Computer Sciences</i> ; (date unknown); 10 pgs.
21	"Shape Modeling Description: New Computation Techniques for Shape Modeling and Design: Overview"; (date unknown); 15 pgs.
22	Svenneby et al.; "SurfaceWorks and the Shape Feature"; <i>AeroHydro, Inc.</i> ; (date unknown); 2 pgs.
23	"Sweeps, Blends, and Advanced Features"; <i>Parametric Technology Corp.</i> ; 1998
24	Tumblin et al.; "LCIS: A Boundary Hierarchy for Detail-Preserving Contrast Reduction"; <i>Proceedings of SIGGRAPH</i> ; August 1999; (Annote)

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